

thereof of at least 8 contiguous amino acids and a fragment of at least one other growth factor from the  
TGF- $\beta$  superfamily. [the pan-growth factor of claim 11.]

RECEIVED

APR 06 2000

15. An isolated and purified nucleic acid molecule or nucleic acid molecule complementary

thereto comprising a nucleotide sequence encoding an artemin amino acid sequence or a conservatively  
substituted variant thereof [a growth factor of claim 1] or a fragment of said nucleotide sequence  
consisting of at least 15 contiguous nucleotides.

BEST AVAILABLE COPY

IN THE SPECIFICATION

After page 71 of the application, please insert the accompanying Sequence Listing pages 1-37.

REMARKS

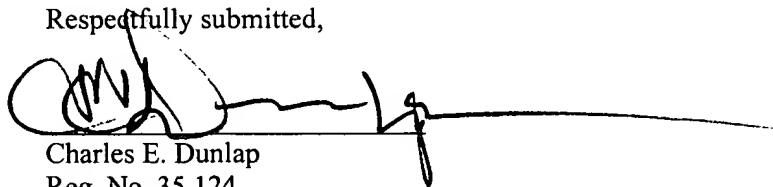
Claims 12 and 15 have been redrafted as independent claims. Claims 12, and 15 - 27 are  
in the case. No new matter has been added.

With respect to the Restriction/Election requirement, Applicants note that claims 2 - 10,  
13, 14 and 28 - 38 were cancelled on the third page (Section 8) of the New Application Transmittal filed  
December 24, 1998. Therefore, it is believed that only claims 1, 11, 12 and 15 - 27 are pending in the  
case. Accordingly, Applicants elect Group II claims 12 and 15-27 for prosecution.

This submission provides enclosed herewith a copy of the Sequence Listing in computer  
readable form and a corresponding paper copy of the Sequence Listing along with this amendment  
directing its entry into the specification. Also enclosed is a copy of the Notice to Comply. In accordance  
with the requirements of 37 C.F.R. 1.821(f) and 1.821(g), the undersigned attorney hereby states that the  
contents of the paper and computer readable copies are the same and that this submission includes no new  
matter.

Should any questions arise or if Applicants or Applicants' attorney can facilitate the  
examination of this application, please contact the undersigned attorney.

Respectfully submitted,



Charles E. Dunlap  
Reg. No. 35,124  
Howell & Haferkamp, L.C.  
7733 Forsyth Boulevard, Suite 1400  
St. Louis, Missouri 63105  
(314) 727-5188  
March 29, 2000